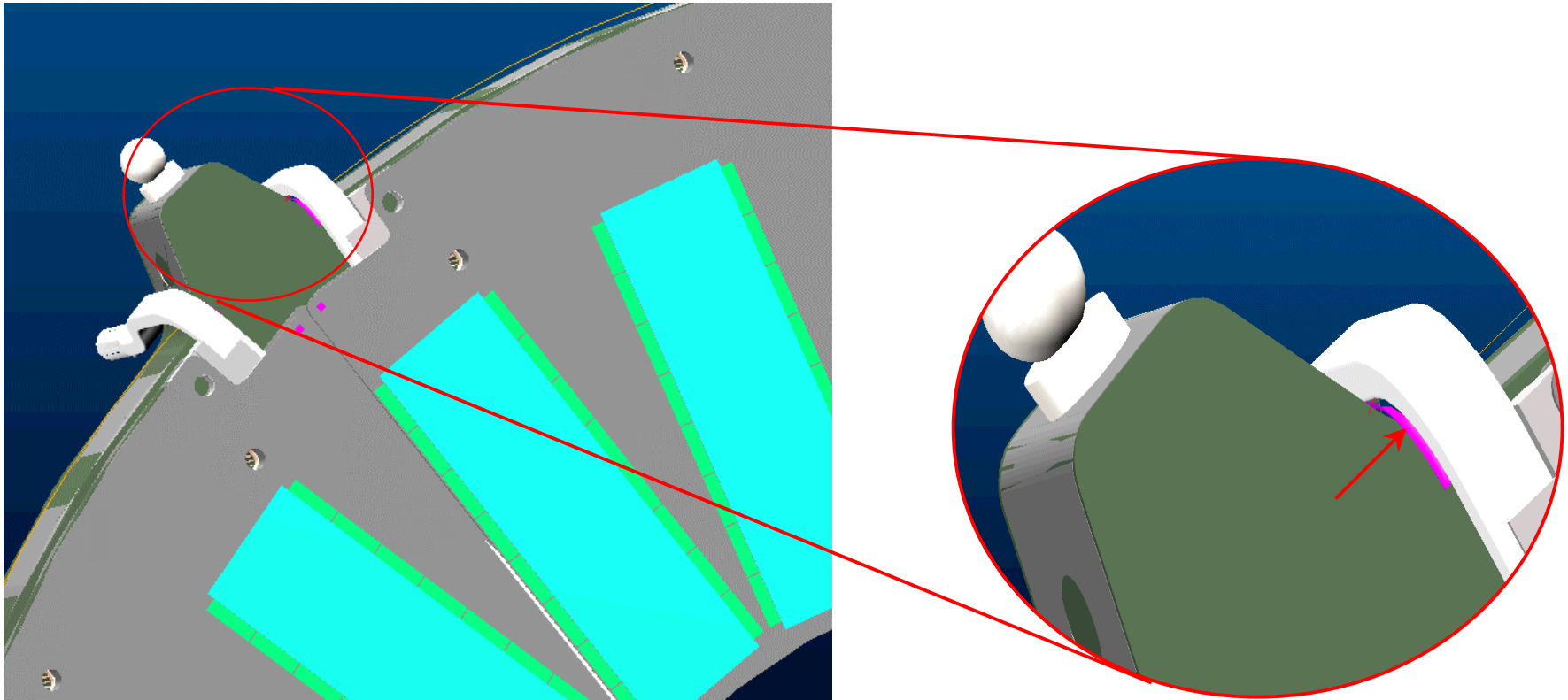
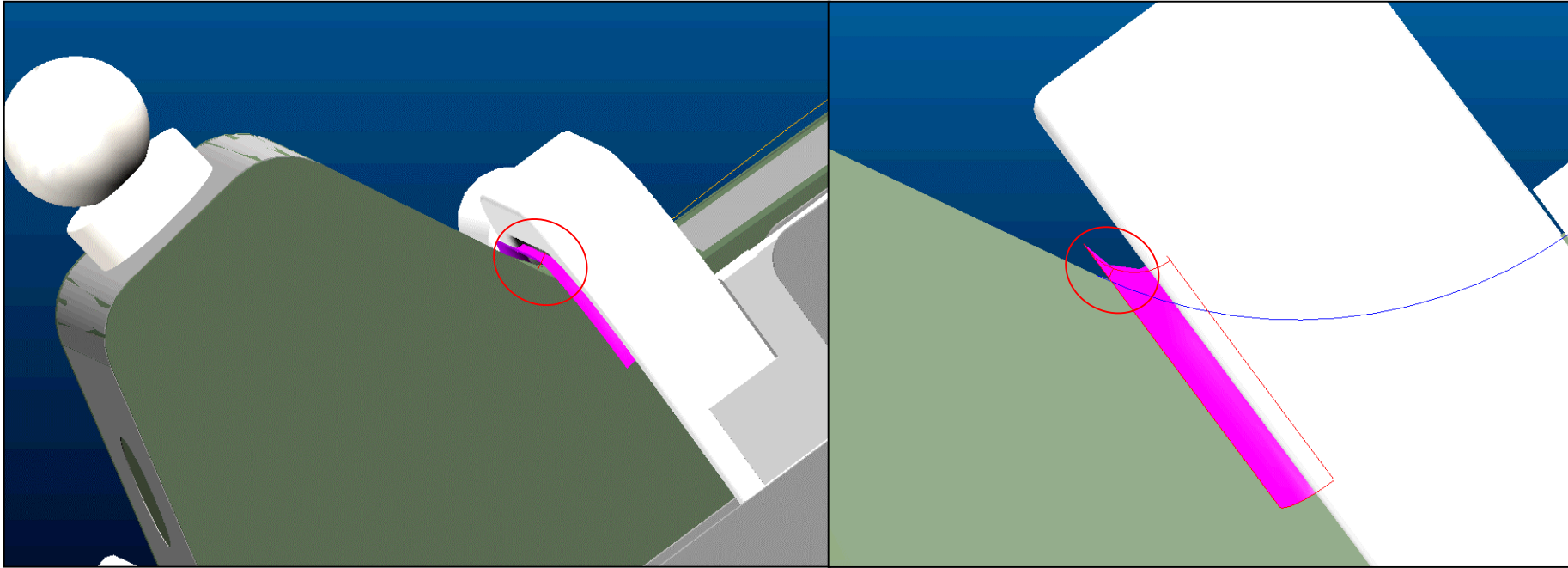


Ring To Tube Clearance



- Require: minimum clearance of 0.5mm between Tube and Closest approach to ring ear
- Offset Surface feature created to tube by 0.5mm as test envelope for this requirement (pink feature indicated in detail by arrow)

Sector Side Clearances

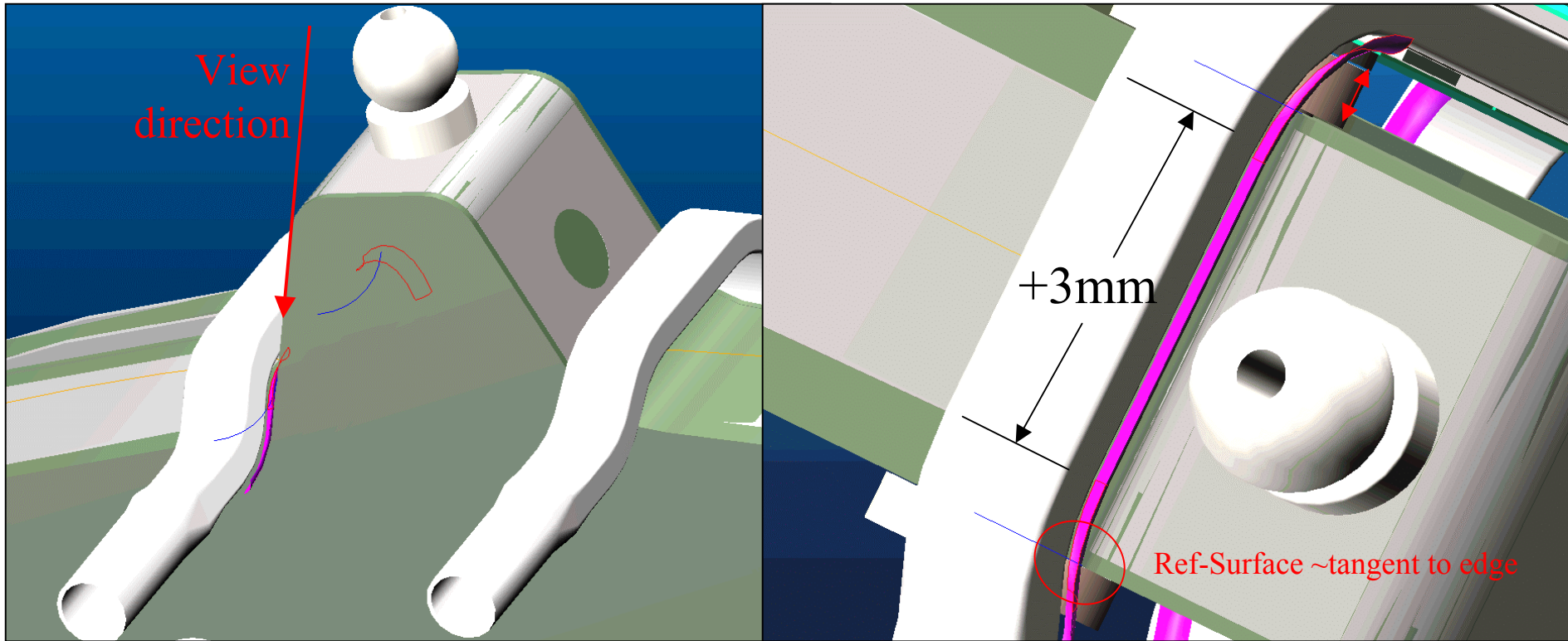


Nominal Clearance

Closest Approach

- Nominal clearance between tube corner and flat side of ear is **0.84mm**
- Closest approach on the sector side of the ring is **0.64mm**, between the corner of the facing and the corner of the tube

Far side clearance is actual closest approach



View along edge of ear facing

- Closest Approach of tube to facing (0.504mm) is on side opposite sector
- +3mm were added to length of tube across top of ring (increased from the +2mm proposed originally)
 - In part to compensate for the increased sector to ring standoff (red arrow)
 - Remainder to allow for minimum clearance to be 0.50mm